

**substance: FeSe<sub>2-x</sub>**

**property: crystal structure, physical properties**

**FeSe<sub>2-x</sub> (0 ≤ x ≤ 0.05)**

(S: structure (space group), CG: crystal growth, C: colour).

(The references in the last column refer to all data of this document)

**lattice parameters**

$a$	5.786 Å	S: pyrite, C2, T <sub>h</sub> <sup>6</sup> – Pa3	68B,71L
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**resistivity, Seebeck coefficient, energy gap**

$\rho$	$2 \cdot 10^{-2} \Omega \text{ cm}$	n-type	CG: under 65 kbar pressure at
$S$	$-28 \mu\text{V K}^{-1}$	synthetic	1200°C
$E_{\text{g,th}}$	0.2 eV	single crystal	C: silvery

**References:**

- 68B Bertaut, E. F., Cohen, J., Lambert-Andron, H., Mollard, P.: J. Phys. (Paris) 29 (1968) 813.
- 71L Landolt-Börnstein (New Series), ed.: K. H. Hellwege, Vol. III/6, Springer Verlag: Berlin, Heidelberg, New York 1971.